



Wales & West Utilities Ltd LDZ Shrinkage and Leakage Report
FOR FORMULA YEAR 2013/14
1st April 2013 – 31st March 2014 as required under Licence
Special Condition 1F.14

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Wales & West Utilities Ltd LDZ Shrinkage and Leakage Report for the 2013/14 formula year

1 Executive Summary

This is a report, as required under Licence 1F.14 setting out the actual leakage volume ($LV_{t,i}$) and actual shrinkage volumes (ASV_t) as calculated in accordance with the Shrinkage and Leakage Model for each LDZ within Wales & West Utilities.

Wales and West Utilities has not obtained any new information regarding leakage rates as we have not carried out any further leakage tests.

The Shrinkage and Leakage Model used is version 1.3 as Approved by Ofgem on 23rd July 2009.

2. Actual Shrinkage and Leakage Volumes:

Table 1: Leakage per LDZ (GWh)

LDZ	Actual Total Leakage (GWh)	Actual Total Shrinkage (GWh)
WALES NORTH	51.77	53.78
WALES SOUTH	117.80	125.97
SOUTH WEST	232.27	241.43
Network Total	401.83	421.19

Table 2: Low Pressure Leakage:

LDZ	Low Pressure				
	Metallic Mains Length (km)	ASP (mbar)	MEG Saturation	No. Customers	Leakage (GWh)
WALES NORTH	810.37	31.02	-	244,130	26.77
WALES SOUTH	2,485.47	34.10	-	815,639	85.68
SOUTH WEST	5,486.58	30.66	-	1,396,315	181.66
Network Total	8,782.42	31.93	0.00%	2,456,084	294.11

Table 3: Medium Pressure Leakage:

Medium Pressure		
LDZ	Metallic Mains Length (m)	Leakage (GWh)
WALES NORTH	84,648.24	3.47
WALES SOUTH	277,077.09	9.80
SOUTH WEST	836,854.52	20.20
Network Total	1,198,579.85	33.47

Table 4: Above Ground Installation and Interference:

LDZ	AGI				Interference	
	No. Sites	Leakage (GWh)	Venting (GWh)	AGI Total (GWh)	No. of Incidents	Leakage (GWh)
WALES NORTH	438	10.17	11.29	21.46	131	0.07
WALES SOUTH	1,055	12.03	10.08	22.10	396	0.21
SOUTH WEST	15,828	19.90	9.99	29.89	782	0.52
Network Total	17,319	42.09	31.36	73.45	1,309	0.80

Table 5: Theft of Gas:

LDZ	Theft of Gas (GWh)
WALES NORTH	1.30
WALES SOUTH	5.27
SOUTH WEST	5.91
Network Total	12.48

Table 6: Own Use Gas:

LDZ	Own Use Gas (GWh)
WALES NORTH	0.71
WALES SOUTH	2.90
SOUTH WEST	3.25
Network Total	6.87